

**Minutes of the Carlisle Board of Health
October 14, 2014**

Minutes –9/8/14
Bills
Administrative Reports
Joint Meeting with Selectmen - Appointment of new Board member

81 Russell Street (Garrison Place) #1

- Revised Septic Design (TCG review pending)
- Draft Legal Documents:
- Master Deed
- Condominium Trust
- Rules & Regulations
- Escrow Account
- Open Space Quit Claim Deed

95 Hanover Road (Dr. Nouvellon, Mike Moreshead) #2

- Request to proceed with installation
- Sieve analysis
- Work schedule
- Payment of additional engineering services

Discussion Items

- Benfield Farms Septic and Well Issues Update #3
- Deer Management Forum – Lyme Disease Subcommittee
- Master's Capstone Project – Noise Study

Long Ridge Road #4

- Request for Approval of Nitrogen Restriction on Credit Land
- Missing Documentation Facility Aggregation Plan
- Fees

NEW BUSINESS

Present were Board members Bill Risso (Chairman), Lee Storrs, Donna Margolies, and Cathy Galligan. Also present were Linda Fantasia, Health Agent and Todd Thorsen, Board candidate. The meeting was called to order by the Chairman at 7:00 pm at town hall.

Risso announced that the Board would be joining the Selectmen at 7: 15 pm to appoint Todd Thorsen to fill the Board vacancy until the next election. The Board relocated to the Selectmen's meeting.

BOARD APPOINTMENT

Present for the Selectmen were: Vanessa Moroney, John Gorecki (Chairman), Douglas Stevenson, Nathan Brown, Peter Scavongelli.

Risso introduced candidate Thorsen to the Selectmen. Thorsen has a Master's in Public Health in Infectious Disease and experience in the biotech industry. He was previously a Professor of Mechanical Engineering at MIT and is a technical staff engineer at MIT Lincoln Laboratory. He has lived in Carlisle for two years. Both Boards were pleased with his willingness to serve on the Board of Health. The appointment will be until the next town election.

It was moved (Risso) and seconded (Stevenson) to appoint Todd Thorsen to fill the vacancy on the Board of Health. Voted: Yes – (Selectmen) Moroney, Stevenson, Gorecki, Scavongelli, Brown; (Board of Health) Storrs, Galligan, Risso and Margolies. Motion passed unanimously by both Boards.

Tick Borne Disease Network (Community Incentive Challenge Grant - CIG)

The Board of Health is asking for the Selectmen's support to seek a second round of funding under a Community Incentive Grant to continue CIG tick testing program for residents. Carlisle was one of 33 towns participating in the program known as the Tick Borne Disease Network (TBDN). Under the program residents were able to submit

biting ticks to the UMass Laboratory for testing of Lyme Disease, Babesiosis and Anaplasmosis. The goal of the program is to increase resident awareness about tick borne diseases, identify areas of high risk, and create a self-sustaining surveillance network. There was excellent participation in the program and residents appreciated that the town was taking these diseases seriously. The second round will be administered slightly differently from the first. In an effort to grow the program by adding new towns, the amount of subsidized testing per town will be reduced in the second round. Residents will pay a small fee for the testing. Testing will also be allocated on a regional basis instead of per town. The Town of Bedford will continue to be the Lead Agency for TBDN. A Letter of Intent had been submitted by the Town Administrator and Board of Health to meet the grant deadline and the Board was now requesting that the Selectmen endorse the application.

It was moved (Stevenson) and seconded (Brown) to support the 2015 Community Innovation Challenge Grant Application and to support the Board of Health in the Tick Borne Disease Network Expansion program and authorize the Town Administrator to sign same on behalf of the Board of Selectmen of the Town of Carlisle. Aye: (Selectmen) Stevenson, Gorecki, Moroney, Brown, Scavongelli; (Board of Health) Risso, Margolies, Galligan, Storrs. Nay – none. Motion passed unanimously.

The Board of Health then returned to its meeting room. Risso welcomed Thorsen to the Board but said that he would need to be sworn in before voting. The Board would welcome his non-voting participation in the meantime.

MINUTES - It was moved (Margolies) and seconded (Storrs) to approve the minutes of 9/8/14 as amended. Motion passed 4-0-0.

GARRISON PLACE – present were J. J. Cohen, Garrison Place consultant and William Hall of Stamski & McNary Inc. (SMI)

Risso explained that the Planning Board would like to know whether the Board of Health will allow irrigation in the development before they issue the Special Permit. The Board had proposed that there be no irrigation when recommending the Senior Residential Open Space Community (SROSC). The Board is now willing to consider an irrigation plan as long as it has Board of Health approval. This could be written as a condition of the Special Permit.

The reasons for the Board's concern is that the amount of water used for irrigation far exceeds the normal household use and not all of it is returned to the ground due to evaporation. Because of Carlisle's total dependence on private wells for drinking water, the Board feels compelled to protect this natural resource whenever possible. The Board agreed that it would be willing to consider irrigation for Garrison Place due to the large land area available but would require a (1) water resource – recharge plan, (2) alternative methods of collecting and storing rainwater, and (3) a detailed plan of the irrigation system. It will be important that these conditions are referenced on the Deed to inform future owners. Risso suggested using the Banta Davis Water Study as a model for a mitigation plan.

Cohen said the development is placing a large area under a conservation restriction. Normally they could build 11 house lots on the parcel and each one could have its own irrigation system. It will be important to maintain a greenscape around the town houses of approximately 2.75 a. They have been working with the Conservation Administrator on a low maintenance, drought resistant planting plan. Due to the size of the land area, Cohen did not think the water withdrawal for irrigation would have a major detrimental impact on the town's natural resources. The Board tended to agree but noted that this is not always the case. The Board is attempting to develop a fair and consistent way of dealing with irrigation for larger developments. Board members agreed that Garrison Place understands their concerns and the Board would be willing to work out a solution that could be included in the Special Permit conditions.

Hall presented the Board with a revised septic plan incorporating the minor revisions as a result of the hydrogeological review from Steven Smith of GHC Inc., the Board's hydrogeological consultant. These included raising the leaching field by 0.14' and using a saturated thickness value of 4.3' in the model. The nitrogen loading calculations were revised at the recommendation of Smith. They now utilize an occupancy rate of 2 persons per unit for a flow of 110 gpd/unit and a total daily flow of 1760 gpd for the site which is more reasonable. Nitrate-nitrogen calculations have also been revised using 5280 gpd as the total design flow.

Eric Tavano of 817 Concord Road asked whether the septic system would have any downstream impact to Buttrick Pond which abuts his property. The Board explained that by limiting nitrogen to 5 mg/l at the perimeter boundary (Spencer Brook) there should be minimal impact to his pond. This is an assumption and not based on a specific study since it was not part of the scope of work for GHC. The Board is also asking Smith to perform a groundwater transport analysis to map the wastewater nitrate down gradient from the leaching area. The report is expected for the next meeting. The Board noted that the state has a 10 mg/L limit whereas 5 mg/L is a local requirement for large systems. Tavano asked how the limit will be monitored. The Board said that monitoring wells have been installed in three locations, one up gradient and two down gradient from the leaching area. These will be sampled on a regular basis to detect an exceedance above background.

The Board had received drafts of the Master Deed, Trust and Escrow Agreements. The Board will review for the next meeting on October 28th at 7:45 pm.

BILLS – Phelps Food Consultants for inspections at Great Brook Farm Ice Cream, review of the Enchanted Kitchen operations plan and menu and Kimball's Ice Cream.

It was moved (Galligan) and seconded (Margolies) to approve payment of \$225.00 to Phelps Food Consultants. Motion passed 4-0-0.

It was moved (Galligan) and seconded (Storrs) to approve the regular payroll. Motion passed 4-0-0.

ADMINISTRATIVE REPORTS

DEP Drinking Water Program – The Board agreed to sign up for emergency notifications using the new auto-dialer system.

MHOA Conference – 10/22-24. Risso and Fantasia will attend. The office will be closed Wednesday. Judy Hodges will cover on Thursday.

UMass Population Health Clerkship – the students will be in town from 10/20-10/31/14. Visits have been scheduled with Lahey Clinic, Concord Carlisle H.S. and Dana Farber Cancer Institute.

Northeast Regional Advisory Council (NERAC) – Region 4A is applying for grant funding to help offset the cost of a shelter exercise. The training would be held in March.

Senior Flu Clinic – 10/17/14 from 10-12 in the Clark Room. Emergency Preparedness Handbooks will be distributed. The parking lot will be posted for Town Hall and Flu Clinic Parking only.

Mosquito Control History – this will summarize the various actions taken by the Board of Health throughout the years. It is not intended as a policy statement.

95 HANOVER ROAD – Septic Installation

The Board had asked Chantal Nouvellon, owner, and Mike Moreshead, installer to attend the meeting to discuss the status of the installation. No further work has been done on the system since the fall of 2013 even though the Board approved a plan to remove and replace contaminated fill in July. The Board wants to know why the work was delayed.

Earlier in the evening at the Selectmen's meeting during Community Input, Dr. Nouvellon presented a CD to the Selectmen and listed her complaints with the Board of Health. Nouvellon said that in the process of building her new home she had a problem with the Carlisle Building Inspector and John Minty from the Town of Concord was hired to take over. She wanted the Selectmen to allow the Concord Health Department to work with her on the system. Gorecki explained that the Selectmen do not take action during community input. There were no comments.

The Board noted that Nouvellon had sent an email dated 10/9/14 complaining of the Board's actions. Moreshead had advised Fantasia earlier in the day that Nouvellon would not authorize his appearance before the Board since she intended to work with the Town of Concord.

The Board agreed that it had tried to work out reasonable solutions with Nouvellon, starting in November 2013 when she was allowed to start work on her system shortly before the winter deadline in order to obtain an Occupancy Permit by the end of January. She said the work would be completed by December 3rd. The work was not completed, the house is still not finished, an engineering plan relocating a drainage pipe has not been submitted, the bed including a layer of fill was left open all last winter and a second layer of clean fill was placed over the bad fill without the Board's permission. The Board had sent a letter to Nouvellon in October that no installations would be allowed to start after November 1st. Based on past performance, the Board would be reluctant to allow an exception particularly since the contaminated fill has not been removed.

The Board listed its concerns as follows: Nouvellon refused the Board's request for a meeting; a revised septic plan has not been submitted; the design engineer should recommend ways of protecting the bed this winter, the bed will need to be inspected by the town before work can start again next spring. The Board noted that it has made numerous attempts to help move the work along, but there has been no follow through by the owner or installer. According to Title 5 only the Carlisle Board of Health has jurisdiction over septic permits in the Town of Carlisle. It is not up to the owner to choose which town to work with. The Board's only objective is to make sure that the septic system will function properly and not result in a premature failure because of flooded bed or the use of contaminated fill. This is not only for Nouvellon's protection, but for future owners and abutters.

The Board agreed to send a letter to Nouvellon expressing their disappointment that she chose not to attend the meeting and citing the items to be corrected before work can move forward. Town counsel will be copied on the letter.

DISCUSSION ITEMS

Benfield Farms Septic and Well Issues – The Board reviewed a field report from Rob Frado and an email update from Toby Kramer.

Frado noted that the bolt holes for the manhole covers had been filled with rubberized mastic. This is not a permanent solution. There were no odors. A filter has been installed on the vent pipe. The main shut off switch on the rear of the pump house still does not have a padlock. The cover over the leach field has been reseeded but has not germinated, probably due to lack of rain. Frado recommended watering the area. Kramer said Doug Zorn, the Site Manager from Dellbrook, will take care of the bolts. Zorn questioned whether a vent pipe filter would interfere with airflow to the system and is waiting to hear from design engineer Mark Beaudry. It is not possible to water the grass over the leaching area. Kramer would like to give it more time to germinate. Frado had noted an audible alarm in the pump house. Kramer explained that this is a high water level alarm in one of the storage tanks as a result of water infiltrating from the fire cistern. A solution is being worked out. Adjustments are being made to the water filtration system to eliminate odors.

Deer Management Information Night – The Lyme Disease Subcommittee is sponsoring a panel discussion to explore deer hunting on town and conservation lands at the Carlisle School on January 15th. Dr. Barbara Roth-Schecter of the Dover Board of Health will be the main speaker along with a representative from Fish and Wildlife and possibly Chief Fisher. The Board agreed that the event should be advertised to other Middlesex Tick Task Force communities. The Board suggested that state representatives might be interested in either speaking or attending. Animal Rights activists could be a problem.

Board of Selectmen Chairman John Gorecki appeared before the Board to state that the Selectmen felt the Board of Health is doing a great job and that Dr. Nouvellon's comments in no way reflect the position of the Selectmen. The Board of Health thanked Gorecki for his comments.

Noise Study – Galligan explained that Scott Zdankiewicz, a student at UMass Lowell, has expressed an interest in working on a noise study project in Carlisle as a Master's Capstone project. The project would involve obtaining

baseline readings throughout the town and developing a methodology that could be used by the Board in assessing noise complaints. Galligan would also like to test the accuracy of phone Apps in measuring noise. The work would be over two semesters and begin in the fall. There would be a presentation of the final results to the Board. Galligan is willing to work with Zdankiewicz along with a UMass Faculty Advisor. The Board strongly encouraged the project.

100 Long Ridge Road (40B Comprehensive Permit Application) – The applicant, Lifetime Green Homes, had requested approval of Nitrogen Restriction on Credit at 90 Long Ridge Road for the benefit of the 40B project. The Board agreed that it was premature to consider the request. As of January 2014, DEP transferred approval of Facility Aggregation Plans to the local Board of Health. Plans must include restrictions on both the facility and credit land. Only the credit land restriction had been submitted. The Board agreed that it would use the requirements of DEP in reviewing these requests. Fantasia noted that the Board does not have a fee to review these applications. Costs would include an engineering consultant and clerical time. A letter will be sent to the applicant.

The Board also agreed to submit recommendations to the Zoning Board relative to the proposed water supply and septic design for the 40B project. The Board will want to review groundwater mounding calculations, a nitrogen contour map, and a nitrogen transport model. The applicant has still not submitted the well documents to DEP for review. The Board received three communications: a letter dated 10/3/14 from Dan Hill, attorney for the abutters; a letter dated 10/6/14 from Lyn Lemaire, resident, and a copy of the recommended scope of work dated 9/15/14 for testing the wells submitted by NGI on behalf of the applicant, which the Board took under advisement.

NEW BUSINESS

Sprinklers in Multi-unit housing - The Board agreed that this is more a Fire Dept. public safety issue than a health issue and therefore better regulated under the Fire and Building Codes.

There was no further business. Meeting voted to adjourn at 9:20 pm.

Respectfully submitted,

Linda M. Fantasia
Recorder